

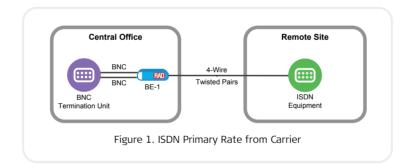
BE-1

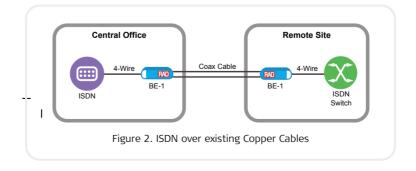
Coax to Twisted Pair Converter for E1





- Conversion between coax interface and twisted pairs for E1 applications (2.048 Mbps)
- Enables standard ISDN primary rate installation over existing coax cables
- No AC or DC power required
- Insensitive to signal direction
- Immediate installation
- Miniature, lightweight Balun





The BE-1 Balun (coax to twisted pair converter) enables any E1 equipment with coax interface to operate over two twisted pairs (4-wire interface), as shown in *Figure 1*.

Two BE-1 units back-to-back allow 4-wire ISDN equipment to operate over existing coax cables (see *Figure 2*).

BE-1 is insensitive to the direction of the signal, allowing transmit and receive lines to be reversed without affecting operation.

BE-1 is a miniature, lightweight Balun. It operates without AC or DC power and provides up to 1000V isolation voltage for protection against AC and DC overvoltage on the line.

Specifications

Standards

Supports ITU G.703 pulse mask on unbalanced and balanced sides

Data rate

2.048 Mbps

Unbalanced Interface

Line impedance: 75Ω , unbalanced

Connectors: 2 x BNC (female or male) (see *Ordering*)

Balanced Interface

Line impedance: 120Ω , balanced

Connector: RJ-45, 8-pin

Pinout

RJ-45	BNC-1	GND	BNC-2
1			Shield
2			Core
3,6		GND	
4	Shield		
5	Core		
7,8	(Not connected)		

Power

Operates without external power supply

Physical Length: 50 mm/2.0 in Width: 50 mm/2.0 in Height: 24 mm/0.9 in Weight: 50g/1.8 oz

Environment

Temperature: 0-50°C / 32-122°F Humidity: up to 90%, non-condensing

Ordering

BE-1/*

Legend

* Connectors:

F BNC female M BNC male

International Headquarters 24 Raoul Wallenberg Street Tel Aviv 69719, Israel Tel. 972-3-6458181 Fax 972-3-6498250, 6474436 E-mail market@rad.com

North America Headquarters

900 Corporate Drive Mahwah, NJ 07430, USA Tel. 201-5291100 Toll free 1-800-4447234 Fax 201-5295777 E-mail market@radusa.com

Order this publication by Catalog No. 801196



The Access Company

www.rad.com